

Sustainable Inquiry Research and Education Network (SIREN) for Science and Vocational Agriculture Teachers

Small Grains

Independent Variables

1. Soil temperature differentials/residue influence on planting date
2. Soil type influence on temperature
3. Soil H₂O content influence as a result of tillage/residue
4. Weed composition
5. N = sustainable management of N
6. Diseases

Topics/Questions

1. What/when is the growing season?
2. Can it be double cropped?
3. How does it fit into crop rotation?
4. Is there a market for residue? (straw)
5. What are discounts-premiums for grain quality?
6. Is there any value in identity preserves (IP)?
7. How does it fit into livestock-crop operation?
8. What are diseases or pests?
9. What are nutrients needed to grow the crop?
10. What is the effect on soil structure?